

Silox Paint

Siloxane paint for facades. Breathable and water-repellent.

Thanks to its refined, aesthetic effect, it is ideal as a decorative finishing for external walls. Silox Paint offers excellent coverage; it combines high breathability with outstanding technical performance, making it ideal for dehumidification systems. It guarantees as well excellent resistance to atmospheric agents. Available in 1,000 Kerakoll Colors shades.



1. High breathability and water-repellence
2. Suitable for dehumidifying cycles
3. Resistant to mould according to UNI EN 15457
4. Resistant to algae according to standard UNI EN 15458
5. Compliant with the CAM performance requirements

Areas of application

→ Use

Protective decoration on:

- cement-, gypsum- or lime-based traditional and ready-mixed finishing products
- dehumidifying renders
- plasterboard
- prefabricated cement elements
- old paint layers and coatings in good condition and well anchored to the substrate
- timber

Suitable for internal and external use.

Do not use for the containment or continuous contact with water. On walls subject to rising damp without prior application of dehumidifying renders. On substrates which are dirty, non-cohesive, powdery.

Instructions for use

→ Preparation of substrates

Clean the various types of substrate carefully using suitable equipment to remove all traces of dirt, dust or efflorescence. If necessary, apply the water-based primer Universal Wall Primer on the substrate to consolidate, even out absorption, and improve the adhesion of the next decorative cycle. If an additional consolidating effect is required, apply one or more coats of Exence Reinforcer S solvent-based stabilizing agent. In this case samples should be done in advance to verify the level of consolidation and absorption achieved. Newly laid renders must be perfectly cured. New render patch layers must be left to cure, i.e. until the bonding agent has set. Remove all sections of partially deteriorated synthetic or mineral-based paint coatings and coverings that are fragmenting or separating from the substrate. In the presence of deposits of mould or biodeteriorating agents, treat first with the Skil Remove product. For the treatment of substrates other than those mentioned and for additional information on the types of intervention to be carried out, we recommend to consult Kerakoll's Guide to decorating and preparing substrates.

→ Preparation

Always remix Silox Paint before dilution. The product must be diluted up to 20-30% by volume with clean water for the first and second coats, according to the type of support and tools being used.

→ Application

Silox Paint must be carefully applied across the entire surface using a brush, roller or spray. Apply two coats on well-dried substrates or with moisture content not exceeding 6%. Conditions required for decorating are ambient and substrate temperatures between +5 °C and +30 °C and a relative ambient humidity lower than 80%. Wait at least 12 hours between coats or in any case, check that the film has fully dried. Do not apply when the substrate is directly exposed to sunlight. After application, external surfaces must be protected against rain and humidity until the film has dried completely. In cases where different lots of coloured product are used, or when completing a job in which a tintometer has been used, it is advisable to mix the various quantities together so as to avoid slight differences in tone. Always restart application from a corner. When using particularly bright colours, always apply Universal Wall Grip coat of the same shade to achieve even coverage. In order to avoid colour differences when resuming jobs, special care must be taken when carrying out decorations over full backgrounds. Available in 1,000 Kerakoll Colors shades, identifiable by the symbol on the colour palette ↗ on the colour palette.

→ Cleaning

Residual traces of Silox Paint can be removed from tools using water before the product hardens.

Special notes

- The photographic images in the catalogue and on the website, as well as the colours shown in the samples are to be considered purely indicative. We therefore recommend testing the product onsite to check the exact colour and coverage that will be obtained.
- Subsequent supplies of product with the same colour code might show slight differences in shade. Always make sure you purchase a sufficient quantity to complete the work you are doing. When re-ordering the product, always indicate the batch code for the original supply.
- For bright or intense shades, always evaluate their sensitivity to ultraviolet light, as indicated in the reference colour chart and in our GreenDesign software. This information is also provided in the documentation enclosed with the product samples, or in the documentation produced by the colour measurement department when sending the formulations requested.
- Do not use Silox Paint to decorate and waterproof the inner surfaces of fountains, decorative tanks, and the outer surface of cornices.
- Evaluate seasonal application conditions (different temperature and moisture conditions result in significant differences in paint drying and/or reaction times).
- On intense shades, it is recommended to apply the product without interruption, wet on wet, in order to avoid signs of recoating.
- Touch-ups may vary depending on various factors and may be visible even after the product has dried.
- On dark colours a blackboard effect may be visible when fingers are rubbed on the wall after the product has dried completely.
- High environmental humidity, condensation and roughness of the support can favour the deposit of dust, spores and they may generate the surface growth of micro-organisms.
- Surfaces affected by rising damp must be treated first with a dehumidifying cycle.
- Arrange for appropriate protective coverings for scaffolding and always protect surfaces where the paint product will not be applied.
- When applying the paint product to large surfaces, the application must stop in the vicinity of joints or guttering.
- In misty conditions and when the substrate presents a high degree of environmental moisture, yellowish/transparent, slightly shiny and sticky droplets could form after application of the product; they are caused by the water-soluble surfactants present in the product. This phenomenon can be eliminated by washing the walls or simply waiting for repeated rain. The characteristics of the film and the degree of protection are not altered by this phenomenon. Should a further application of the product be carried out, it will be necessary to thoroughly wash the walls, and apply a preventive coat of Universal Wall Grip. This phenomenon does not occur in stable climatic conditions.

Certificates and marks



* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Abstract

Protection and decoration of internal and external surfaces, will be carried out by applying by brush, roller or spray a high-coverage paint based on siloxane binders dispersed in water solution, highly breathable, with high levels of protection against atmospheric agents, pollution and bacteria, fungi and algae, with micronized fillers and light-resistant pigments, such Silox Paint by Kerakoll Spa. Wash resistance >10,000 cycles according to standard UNI 10560, permeability to water vapour class V1 (High) according to standard EN ISO 7783, permeability to liquid water class W3 (low) according to standard EN1062-3.

Technical Data compliant with Kerakoll Quality Standard

Appearance	white or coloured paint	
Volumetric mass	≈ 1.49 kg/l	
Chemical nature	siloxane polymers	
Shelf life	≈ 18 months from production in the original sealed packaging, protect from humidity	
Warning	protect from frost, avoid direct exposure to sunlight and sources of heat	
Viscosity	approx. 34000 cps, rotor 6 RPM 10	Brookfield method
Pack	4 – 14 l buckets	
Temperature range for application	from +5 °C to +30 °C	
Humidity of the substrate	≤ 6%	
Waiting time between 1 st and 2 nd coat	≥ 12 hrs	
Reaction to fire	B-s1-d0	
Dilution with water	20 – 30% by volume	
Coverage when applying two coats for a fine-texture, two-coat finish	≈ 0.15 – 0.2 l/m ²	

Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

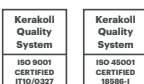
Performance**HIGH-TECH**

Resistance to washing	> 10,000 cycles	UNI 10560
Permeability to water vapour	class V1 (high)	EN 7783
Permeability to water in liquid form	class W3 (low)	EN 1062-3
Respects the Kuenzle theory	$w < 0.5 \text{ kg / m}^2 \cdot \text{h}^{0.5} - S_D < 2 \text{ m}$	DIN 18550

Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Warning

- Abide by any standards and national regulations
- use at temperatures between +5 °C and +30 °C
- make sure the substrate is not frozen
- protect surfaces from direct sunlight and wind
- protect all painted surfaces from rain and high moisture during the first 48 hours following application
- if necessary, ask for the safety data sheet
- for any other issues, contact Kerakoll Technical Customer Service: + 39 0536.811.516
www.kerakoll.com/contatti



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